

## ABSTRACT

An adaptive module for a cable modem termination system housing having a backplane and a card cage that is attachable to the housing is provided. Active and backup first electronic modules are disposed within the card cage and are electrically connected to the backplane. The active and backup first electronic modules are respectively electrically connectable to active and backup second electronic modules disposed within the housing, where the backup first electronic module communicates with the backup second electronic module when there is a failure within the active second electronic module. A switch/relay is disposed within the card cage and is electrically connected to the backplane. The switch/relay is adapted to enable communication between the active first electronic module and the backup second electronic module when there is a failure within the active second electronic module.

FOIA b 7 - DATED 11/23/2011